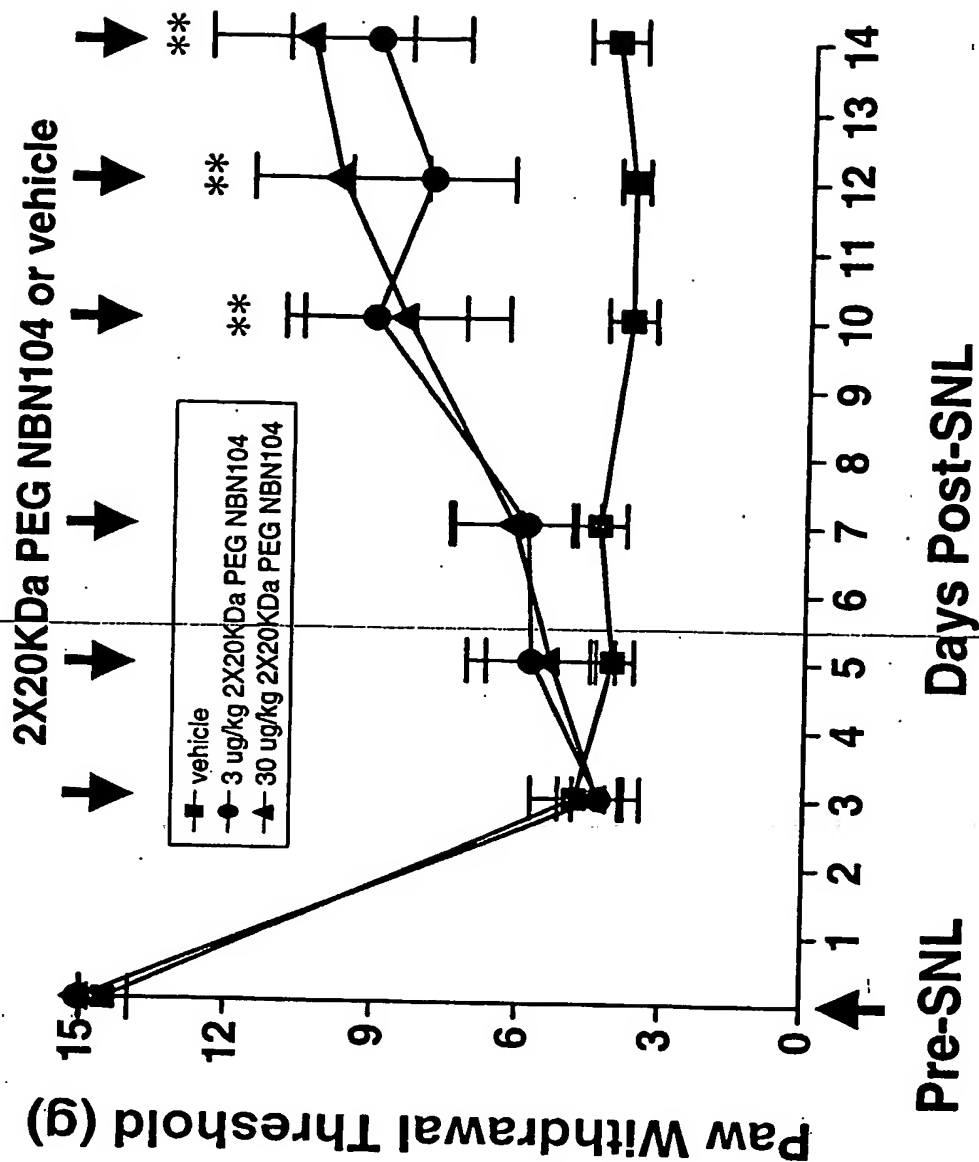


Figure 1



* p < 0.05 vs veh (2 Way RM ANOVA; SNK)

Tactile Response Normal

Abnormal (Allodynia)

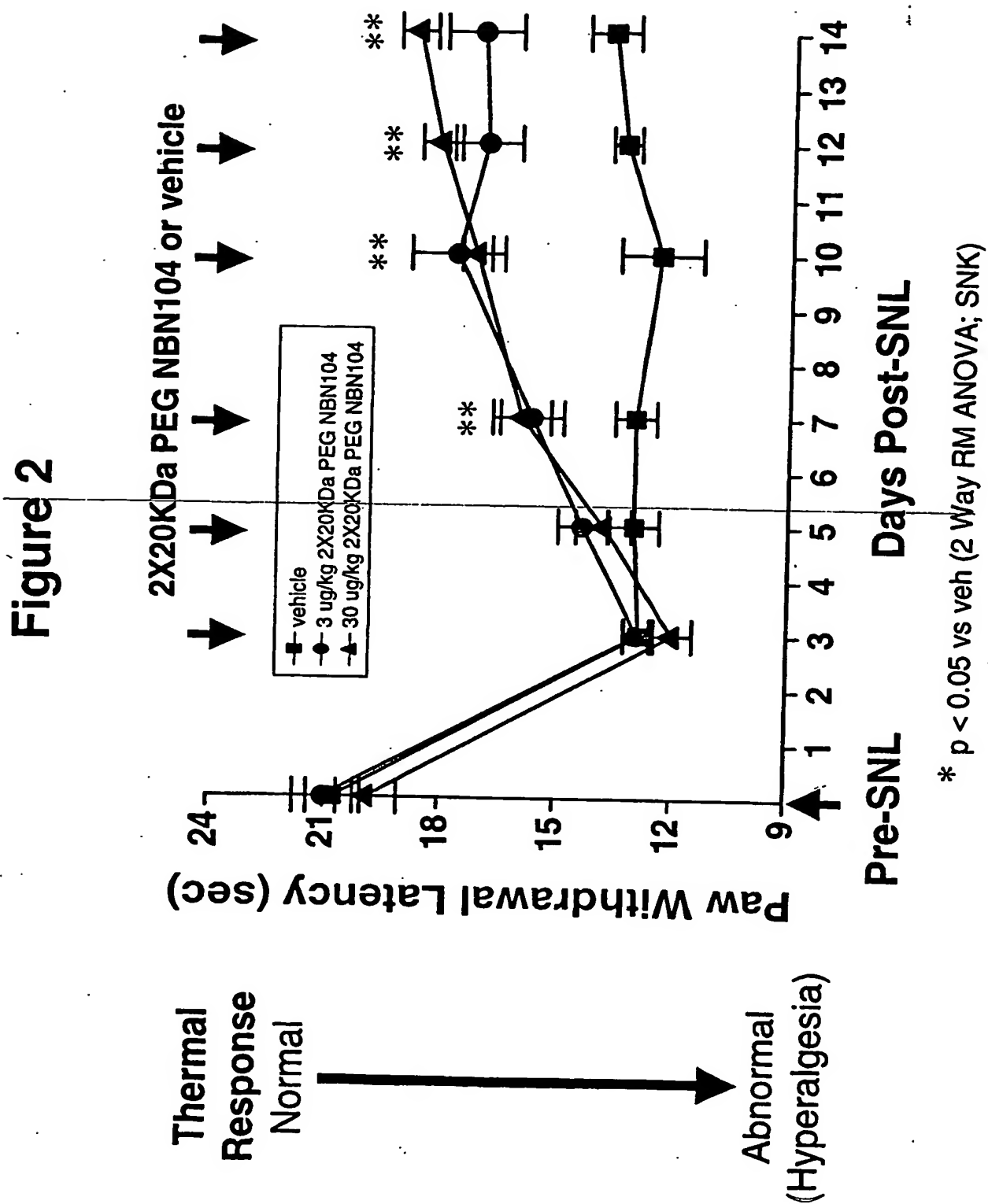


FIG. 3

1	AGGPGSRARAAGARGCRLRSQVLPVRAIGLGHRSDELVRF	human
	AGTRSSRARTTDARGCRLRSQVLPVSALGLGHSSDELIRF	mouse
	AGTRSSRARATDARGCRLRSQVLPVSALGLGHSSDELIRF	rat
	ag---srar---argcrlrsqvpv-alglgh-sdel-rf	consensus
41	RFCSGSCRRARSPHDLSLASLLGAGALRPPPGSRPVSQPC	human
	RFCSGSCRRARSQHDLASLLGAGALRSPPGSRPISQPC	mouse
	RFCSGSCRRARSPHDLSLASLLGAGALRSPPGSRPISQPC	rat
	rfcsgscrrars-hdlslasllgagalr-ppgsrp-sqpc	consensus
81	CRPTRYEAVSFMDVNSTWRTVDRLSATAACGLG	human (SEQ ID NO:2)
	CRPTRYEAVSFMDVNSTWRTVDHLSATAACGLG	mouse (SEQ ID NO:3)
	CRPTRYEAVSFMDVNSTWRTVDHLSATAACGLG	rat (SEQ ID NO:4)
	crptryeavsfmdvnstwrtd-lsatacgclg	consensus (SEQ ID NO:1)
	*	* = Asn95

FIG. 4

Consensus sequence: (SEQ ID NO:1)

Ala Gly Xaa1 Xaa2 Xaa3 Ser Arg Ala Arg Xaa4 Xaa5 Xaa6 Ala Arg Gly Cys
 Arg Leu Arg Ser Gln Leu Val Pro Val Xaa7 Ala Leu Gly Leu Gly His Xaa8 Ser
 Asp Glu Leu Xaa9 Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg Arg Ala Arg
 Ser Xaa10 His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala Gly Ala Leu Arg
 Xaa11 Pro Pro Gly Ser Arg Pro Xaa12 Ser Gln Pro Cys Cys Arg Pro Thr Arg
 Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser Thr Trp Arg Thr Val Asp
 Xaa13 Leu Ser Ala Thr Ala Cys Gly Cys Leu Gly

wherein:

Xaa ₁ is Gly or Thr	Xaa ₆ is Gly or Asp	Xaa ₁₁ is Pro or Ser
Xaa ₂ is Pro or Arg	Xaa ₇ is Arg or Ser	Xaa ₁₂ is Val or Ile
Xaa ₃ is Gly or Ser	Xaa ₈ is Arg or Ser	Xaa ₁₃ is Arg or His
Xaa ₄ is Ala or Thr	Xaa ₉ is Val or Ile	
Xaa ₅ is Ala or Thr	Xaa ₁₀ is Pro or Gln	

PrePro
NBN140 -----MELGLGGSTLSHC PWPRRQPALWPTLAALALL 33
NBN116 -----
NBN113 -----

PrePro
NBN140 SSSVAEASLGSA PRSPAPREG PPPVLAS PAGHLP GGRTARWC SGRRARRPPP 83
NBN116 -----PPP 3
NBN113 -----

PrePro
NBN140 QPSRPAPPP PAPPSALPRGGRAARAGGPGSRARAAGARGCRLRSQ LVPVR 133
NBN116 QPSRPAPPP PAPPSALPRGGRAARAGGPGSRARAAGARGCRLRSQ LVPVR 53
NBN113 -----AARAGGPGSRARAAGARGCRLRSQ LVPVR 29
 -----AGGPGSRARAAGARGCRLRSQ LVPVR 26

*

PrePro
NBN140 ALGLGHRSD ELVRFRC SGSCRRARS PHDSL SLASLLGAGAL RPPPGSRPV 183
NBN116 ALGLGHRSD ELVRFRC SGSCRRARS PHDSL SLASLLGAGAL RPPPGSRPV 103
NBN113 ALGLGHRSD ELVRFRC SGSCRRARS PHDSL SLASLLGAGAL RPPPGSRPV 79
 -----ALGLGHRSD ELVRFRC SGSCRRARS PHDSL SLASLLGAGAL RPPPGSRPV 76

+

PrePro
NBN140 SQPCCRPTRYEA VSFMDVNSTW RTVDRLS ATACGCLG 220 (SEQ ID NO:5)
NBN116 SQPCCRPTRYEA VSFMDVNSTW RTVDRLS ATACGCLG 140 (SEQ ID NO:6)
NBN113 SQPCCRPTRYEA VSFMDVNSTW RTVDRLS ATACGCLG 116 (SEQ ID NO:7)
 -----SQPCCRPTRYEA VSFMDVNSTW RTVDRLS ATACGCLG 113 (SEQ ID NO:2)

* # +

FIG. 6

	10	20	30	40	50	
NBN113	AGGPGSRARAAGARGCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	50
NBN112	GGPGSRARAAGARGCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	49
NBN111	GPGRARAAGARGCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	48
NBN110	PGSRARAAGARGCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	47
NBN109	GSRARAAGARGCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	46
NBN108	SRARAAGARGCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	45
NBN107	RARAAGARGCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	44
NBN106	ARAAGARGCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	43
NBN105	RAAGARGCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	42
NBN104	AAGARGCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	41
NBN103	AGARGCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	40
NBN102	GARGCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	39
NBN101	ARGCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	38
NBN100	RCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	37
NBN99	GCRLRSQ	LV	PVRALGLGHR	SDELVRFRFC	SGSCRR	36

*

+

	60	70	80	90	100	
NBN113	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	100
NBN112	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	99
NBN111	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	98
NBN110	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	97
NBN109	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	96
NBN108	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	95
NBN107	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	94
NBN106	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	93
NBN105	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	92
NBN104	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	91
NBN103	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	90
NBN102	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	89
NBN101	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	88
NBN100	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	87
NBN99	RSPHDL	SLASLLGAGALRPP	PGSRPVSQPCCR	PTRYEAVSFMDVN	STWRT	86

| *

	110	
NBN113	VDRLS	(SEQ ID NO: 2)
NBN112	VDRLS	(SEQ ID NO: 8)
NBN111	VDRLS	(SEQ ID NO: 9)
NBN110	VDRLS	(SEQ ID NO: 10)
NBN109	VDRLS	(SEQ ID NO: 11)
NBN108	VDRLS	(SEQ ID NO: 12)
NBN107	VDRLS	(SEQ ID NO: 13)
NBN106	VDRLS	(SEQ ID NO: 14)
NBN105	VDRLS	(SEQ ID NO: 15)
NBN104	VDRLS	(SEQ ID NO: 16)
NBN103	VDRLS	(SEQ ID NO: 17)
NBN102	VDRLS	(SEQ ID NO: 18)
NBN101	VDRLS	(SEQ ID NO: 19)
NBN100	VDRLS	(SEQ ID NO: 20)
NBN99	VDRLS	(SEQ ID NO: 21)

+